

DFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Raymond de Callafon
 Serial No.: 10/579,520
 Conf. No.:
 Filed: May 15, 2006
 For: ACTIVE NOISE CONTROL
 METHOD AND APPARATUS
 INCLUDING FEEDFORWARD AND
 FEEDBACK CONTROLLERS
 Art Unit:
 Examiner:

*I hereby certify that this paper is being deposited with
 the United States Postal Service as first class mail in an
 envelope addressed to: Commissioner for Patents,
 P.O. Box 1450, Alexandria, VA 22313-1450, on this date.*

3/14/07

Date

Registration No. 35137

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within any of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the application or the date of entry into the national stage; or
- (b) before the mailing date of First Office Action on the merits (i.e., not including actions such as restriction requirements); or
- (c) before the mailing of a First Office Action after the filing of a Request for Continuing Examination.

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of foreign patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

300 South Wacker Drive – Suite 2500
 Chicago, Illinois 60606
 Telephone: (312) 360-0080
 Facsimile: (312) 360-9315
 Customer Number 24978

GREER, BURNS & CRAIN, LTD.

By:

Steven P. Fallon, Reg. No. 35,132

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Raymond de Callafon
 Serial No.: 10/579,520
 Conf. No.:
 Filed: May 15, 2006
 For: ACTIVE NOISE CONTROL
 METHOD AND APPARATUS
 INCLUDING FEEDFORWARD AND
 FEEDBACK CONTROLLERS
 Art Unit:
 Examiner:

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date

3/14/07

Date

Registration No.

35132

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within any of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the application or the date of entry into the national stage; or
- (b) before the mailing date of First Office Action on the merits (i.e., not including actions such as restriction requirements); or
- (c) before the mailing of a First Office Action after the filing of a Request for Continuing Examination.

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of foreign patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

300 South Wacker Drive – Suite 2500
 Chicago, Illinois 60606
 Telephone: (312) 360-0080
 Facsimile: (312) 360-9315
 Customer Number 24978

GREER, BURNS & CRAIN, LTD.

By:

Steven P. Fallon, Reg. No. 35,132



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1	Application Number	10/579,520
	Filing Date	5/15/2006
	First Named Inventor	Raymond de Callafon
	Art Unit	
	Examiner Name	
	Attorney Docket Number	0321.68700

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), city and/or country where published.	T
/XM/	1.	R.A. de CALLAFON, J. ZENG, C.E. KINNEY, "Active Noise Control for the Forced-Air Cooling System in a Data Projector", Preprint submitted to Elsevier Science, July 29, 2004, pp. 1-18.	
/XM/	2.	E. ESMAILZADEH, A. ALASTY, A.R. OHADI, "Hybrid Active Noise Control of a One-Dimensional Acoustic Duct," ASME Journal of Vibration and Acoustics, Vol. 124, 2002, pp. 10-18.	
/XM/	3.	C.R. FULLER, A.H. VON FLOTOW, "Active Control of Sound and Vibration," IEEE Control Systems Magazine, Vol. 15, No. 6, Dec. 1995, pp. 9-19.	
/XM/	4.	J.S. HU, J.F. LIN, "Feedforward Active Noise Controller Design in Ducts Without Independent Noise Source Measurements," IEEE Transactions on Control System Technology, Vol. 8, No. 3, 2000, pp. 443-455.	
/XM/	5.	C.E. KINNEY, R.A. de CALLAFON, "Periodic Disturbance Rejection with an Internal Model-Based H ₂ Optimal Controller".	
/XM/	6.	K.K. SHYU, C.Y. CHANG, "Modified FIR Filter with Phase Compensation Technique to Feedforward Active Noise Controller Design," IEEE Transactions on Industrial Electronics, Vol. 47, No. 2, Apr. 2000, pp. 444-453.	
/XM/	7.	J. ZENG, R.A. de CALLAFON, "Feedforward Noise Cancellation in an Airstream using Generalized FIR Filter Estimation", Proceedings on Decision and Control, Maui, Hawaii, December 2003, pp. 6392-97.	

/XM/

Date considered: 10/16/08